



[Go to Product page](#)

Datasheet for ABIN6136118  
**anti-JAK1 antibody (pTyr1022, pTyr1023)**

2 Images

Overview

Quantity:	100 µL
Target:	JAK1
Binding Specificity:	pTyr1022, pTyr1023
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JAK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A phospho specific peptide corresponding to residues surrounding Y1022/1023 of human JAK1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Phosphorylated Antibodies

Target Details

Target:	JAK1
Alternative Name:	JAK1 ( <a href="#">JAK1 Products</a> )
Background:	This gene encodes a membrane protein that is a member of a class of protein-tyrosine kinases

## Target Details

---

(PTK) characterized by the presence of a second phosphotransferase-related domain immediately N-terminal to the PTK domain. The encoded kinase phosphorylates STAT proteins (signal transducers and activators of transcription) and plays a key role in interferon-alpha/beta and interferon-gamma signal transduction. Alternative splicing results in multiple transcript variants.,JAK1,JAK1A,JAK1B,JTK3,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Kinase,Tyrosine kinases,PI3K-Akt Signaling Pathway,ErbB-HER Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Inhibition of Apoptosis,Immunology & Inflammation,Cytokines,IL-6 Receptor Signaling Pathway,Protein phosphorylation,JAK1

Molecular Weight: 133 kDa

Gene ID: 3716

UniProt: [P23458](#)

Pathways: [JAK-STAT Signaling](#), [RTK Signaling](#), [Interferon-gamma Pathway](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#), [Unfolded Protein Response](#)

## Application Details

---

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

## Handling

---

Format: Liquid

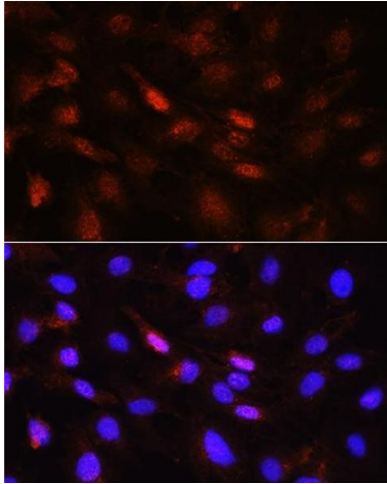
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

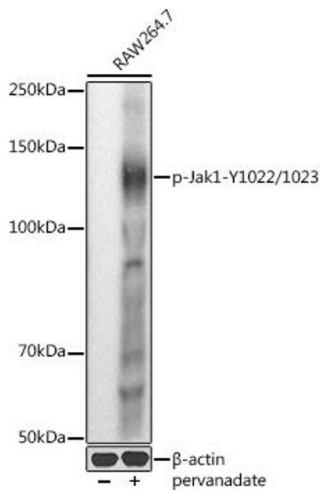
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH/3T3 cells using Phospho-Jak1-Y1022/1023 antibody (ABIN6135246, ABIN6136118, ABIN6136119 and ABIN6225560) at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of R.7 cells, using Phospho-Jak1-Y1022/1023 antibody (ABIN6135246, ABIN6136118, ABIN6136119 and ABIN6225560) at 1:1000 dilution. R.7 cells were treated by Pervanadate (1 mM) at 37 °C for 30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.